tail completion or Neck1 protein (CDS_0009)
head-tail adaptor (CDS_0008)
major head protein (CDS_0007)
CDS_0011
CDS_0010
transcriptional repressor (CDS_0013)
CDS_0012 transposase (CDS_0014)
Mu Gam-like end protection (CDS_0017)
DNA transposition protein (CDS_0015)
CDS_0016
CDS_0018
CDS_0019
MGV-GENOME-0131209 6386:14427(+)
transcriptional repressor (CDS_0013)
CDS_0012 transposase (CDS_0014)
MGV-GENOME-0134259 6386:14753(+)
transcriptional repressor (CDS_0014)
CDS_0013
CDS_0012 transposase (CDS_0015)
MGV-GENOME-0132230 6386:14538(+)
replication initiation protein (CDS_0013)
transcriptional repressor (CDS_0016)
12 14 15 transposase (CDS_0017)
MGV-GENOME-0156509 6386:17457(+)
transcriptional repressor (CDS_0017)
12 13 1415 16 transposase (CDS_0018)
MGV-GENOME-0143943 6386:15846(+)
transcriptional repressor (CDS_0015)
12 13 14 transposase (CDS_0016) 20 22
MGV-GENOME-0137651 6386:15496(+)
tail protein (CDS_0013)
tail sheath (CDS_0012) transposase (CDS_0014)
MGV-GENOME-0139172 7299:15295(+)
tail protein (CDS_0013)
transposase (CDS_0014)
MGV-GENOME-0132247 7300:14539(+)
transcriptional repressor (CDS_0017)
15
tail protein (CDS_0013) 14 16 transposase (CDS_0018)
MGV-GENOME-0148232 7299:16391(+)
transcriptional repressor (CDS_0018)
tail protein (CDS_0013) 14 15 16 17 transposase (CDS_0019)
MGV-GENOME-0161909 7300:18181(+)
transcriptional repressor (CDS_0017)
13 14 15 16 transposase (CDS_0018)
MGV-GENOME-0157133 7300:17544(+)
transcriptional repressor (CDS_0016)
13 14 15 transposase (CDS_0017)
MGV-GENOME-0158496 7297:17725(+)
tail protein (CDS_0013) transcriptional repressor (CDS_0020)
14 15 16 17 18 19 transposase (CDS_0021)
MGV-GENOME-0168496 7300:19093(+)
transcriptional repressor (CDS_0017)
14 15 16 transposase (CDS_0018)
MGV-GENOME-0149927 7292:16586(+)
transcriptional repressor (CDS_0020)
12 13 14 15 16 17 18 19 transposase (CDS_0021)
MGV-GENOME-0166521 6386:18818(+)
transcriptional repressor (CDS_0020)
12 13 14 15 16 17 18 19 transposase (CDS_0021)
MGV-GENOME-0165889 6386:18728(+)
transcriptional repressor (CDS_0021)
12 13 14 15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0164376 6386:18517(+)
virion structural protein (CDS_0006)
transcriptional repressor (CDS_0018)
11 12 13 14 15 16 17 transposase (CDS_0019)
MGV-GENOME-0156187 5913:17416(+)
transcriptional repressor (CDS_0023)
12 13 14 15 16 17 18 19 2021 22 transposase (CDS_0024)
MGV-GENOME-0174834 6386:19993(+)
transcriptional repressor (CDS_0014) transcriptional repressor (CDS_0021)
12 13 15 16 17 18 19 20 transposase (CDS_0022)
MGV-GENOME-0179308 6388:20665(+)
transcriptional repressor (CDS_0020)
12 13 14 15 16 17 18 19 transposase (CDS_0021)
MGV-GENOME-0186536 6386:17563(+)
transcriptional repressor (CDS_0014) transcriptional repressor (CDS_0021)
12 DarB-like antirestriction (CDS_0013) 15 16 17 18 19 transposase (CDS_0022)
MGV-GENOME-0189884 6386:22340(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0022)
15 16 17 18 19 20 21 transposase (CDS_0023)
MGV-GENOME-0177717 7300:20428(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0022)
15 16 17 18 19 20 21 transposase (CDS_0023)
MGV-GENOME-0172124 7300:19600(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0025)
15 16 17 18 19 20 21 22 23 24 transposase (CDS_0026)
MGV-GENOME-0189954 7300:22725(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 18 19 20 transposase (CDS_0022) 27 28 endolysin (CDS_0029)
MGV-GENOME-0171832 7297:21324(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 17 DNA transposition protein (CDS_0018)
MGV-GENOME-0150333 7300:17013(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 DNA transposition protein (CDS_0017)
MGV-GENOME-0146316 7300:16501(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 17
MGV-GENOME-0143942 7302:16221(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 DNA transposition protein (CDS_0017)
MGV-GENOME-0139979 7300:15759(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 transposase (CDS_0017)
MGV-GENOME-0153445 7300:17056(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 transposase (CDS_0017)
MGV-GENOME-0159630 7299:17869(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 transposase (CDS_0019)
MGV-GENOME-0172313 7299:19624(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 17 tail protein (CDS_0018)
MGV-GENOME-0149561 7302:16916(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
CDS_0015 CDS_0016
MGV-GENOME-0162636 7299:17226(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 17 endolysin (CDS_0022) late transcriptional activator (CDS_0023)
MGV-GENOME-0142480 7300:17787(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21
MGV-GENOME-0167474 7300:19316(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 tail protein (CDS_0022)
MGV-GENOME-0203205 7300:20929(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 tail protein (CDS_0022)
MGV-GENOME-0176790 7300:20294(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21
MGV-GENOME-0173050 7302:18922(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 tail protein (CDS_0022) 23
MGV-GENOME-0185829 7300:21675(+)
transcriptional repressor (CDS_0022)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 transposase (CDS_0023)
MGV-GENOME-0186089 7300:21717(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
transcriptional repressor (CDS_0021)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) transposase (CDS_0022)
MGV-GENOME-4389373 7300:21418(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) transposase (CDS_0021)
MGV-GENOME-0181517 7300:21006(+)
transcriptional repressor (CDS_0022)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 transposase (CDS_0023)
MGV-GENOME-0189030 7300:22194(+)
minor tail protein (CDS_0014) baseplate wedge subunit (CDS_0020)
tail protein (CDS_0013) baseplate protein (CDS_0019)
15 16 17 tail protein (CDS_0018) 21 tail protein (CDS_0022)
MGV-GENOME-0189180 7300:22220(+)
minor tail protein (CDS_0014) baseplate protein (CDS_0019)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 transposase (CDS_0020)
MGV-GENOME-0175714 7300:20130(+)
minor tail protein (CDS_0014) baseplate protein (CDS_0019)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 20
MGV-GENOME-0163415 7303:18377(+)
transcriptional repressor (CDS_0021)
minor tail protein (CDS_0014) baseplate protein (CDS_0019)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 20 transposase (CDS_0022)
MGV-GENOME-0182328 7300:21509(+)
transcriptional repressor (CDS_0017)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 transposase (CDS_0018)
MGV-GENOME-0154242 7302:17156(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0017)
15 16 transposase (CDS_0018)
MGV-GENOME-0169115 7302:19176(+)
transcriptional repressor (CDS_0016)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 transposase (CDS_0017)
MGV-GENOME-0149248 7302:16503(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0018)
15 16 17 transposase (CDS_0019)
MGV-GENOME-0172218 7300:19614(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0018)
15 16 17 transposase (CDS_0019)
MGV-GENOME-0170999 7300:19444(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0018)
15 16 17 transposase (CDS_0019)
MGV-GENOME-0168116 7300:19035(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0018)
15 16 17 transposase (CDS_0019)
MGV-GENOME-4380457 7300:19251(+)
minor tail protein (CDS_0014) transcriptional repressor (CDS_0019)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 transposase (CDS_0020)
MGV-GENOME-0176161 7300:20194(+)
minor tail protein (CDS_0014) transcriptional repressor (CDS_0019)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 transposase (CDS_0020)
MGV-GENOME-0173694 7300:19830(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0019)
15 16 17 18 transposase (CDS_0020)
MGV-GENOME-0173256 7300:19766(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0178545 7299:20554(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 18 19 20 transposase (CDS_0022)
MGV-GENOME-0184566 7300:21480(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0176626 7300:20267(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0180022 7302:20775(+)
transcriptional repressor (CDS_0018)
minor tail protein (CDS_0014)
tail protein (CDS_0013)
15 16 17 transposase (CDS_0019)
MGV-GENOME-0156728 7300:17485(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0022)
15 16 17 18 1920 21 transposase (CDS_0023)
MGV-GENOME-0184283 7300:21429(+)
minor tail protein (CDS_0014) transcriptional repressor (CDS_0021)
tail protein (CDS_0013) tail protein (CDS_0018)
15 16 17 19 20 transposase (CDS_0022)
MGV-GENOME-0183492 7300:21295(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0020)
15 16 17 18 19 transposase (CDS_0021) DNA transposition protein (CDS_0022)
MGV-GENOME-0177025 7300:20704(+)
minor tail protein (CDS_0014) transcriptional repressor (CDS_0022)
tail protein (CDS_0013) 18
15 16 17 1920 21 transposase (CDS_0023)
MGV-GENOME-0176348 7300:20227(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0175672 7300:20133(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0175750 7300:20135(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0180687 7302:20871(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0022)
15 16 17 18 19 20 21 transposase (CDS_0023) 28
MGV-GENOME-0235386 7300:22154(+)
minor tail protein (CDS_0014)
tail protein (CDS_0013) transcriptional repressor (CDS_0021)
15 16 17 1819 20 transposase (CDS_0022)
MGV-GENOME-0174165 7300:21662(+)
transcriptional repressor (CDS_0014)
CDS_0013 transposase (CDS_0015) CDS_0021
MGV-GENOME-0142737 7300:17470(+)
6000 nt
DNA, RNA and nucleotide metabolism
connector
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
tail
transcription regulation
unknown function